



Docket No.: 05542/073001  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Arvind D. Patel et al.

Application No.: 10/647,737

Confirmation No.: 2299

Filed: August 25, 2003

Art Unit: 1712

For: FLAT RHEOLOGY DRILLING FLUIDS

Examiner: C. R. Richard

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed after the mailing date of a Final Office Action or Notice of Allowance, whichever occurred first, but on or before payment of the Issue Fee (37 CFR 1.97(d)). Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered.

I hereby certify, pursuant to 37 CFR 1.97(e)(2), that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable

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inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

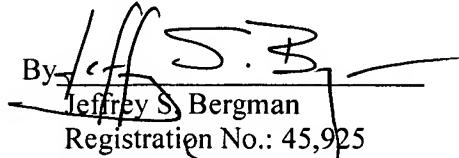
It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in

this application by this firm) to our Deposit Account No. 50-0591, under Order No. 05542/073001.

Dated: May 22, 2006

Respectfully submitted,

By   
Jeffrey S. Bergman  
Registration No.: 45,925  
OSHA · LIANG LLP  
1221 McKinney St., Suite 2800  
Houston, Texas 77010  
(713) 228-8600  
(713) 228-8778 (Fax)



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ALTERNATIVE TO PTO/SB/08a/b (07-05)

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number
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**Complete if Known**

Application Number	10/647,737-Conf. #2299
Filing Date	August 25, 2003
First Named Inventor	Arvind D. Patel
Art Unit	1712
Examiner Name	C. R. Richard

Sheet	1	of	2	Attorney Docket Number
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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA*	US-5,237,080	08-17-1993	Peter Daute		
AB*	US-5,254,531	10-19-1993	Mueller et al.		
AC*	US-5,441,927	08-15-1995	Mueller et al.		
AD*	US-6,289,989	09-18-2001	Mueller et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
BA	WO-95/26386-A1		10-05-1995	Heriot-Watt University (GB/GB)		
BB	WO-96/22342-A1		07-25-1996	Bariod Technology, Inc.		
BC	WO-02/053675-A1		07-11-2002	Halliburton Energy Services, Inc. et al.		
BD	WO-02/053676-A1		07-11-2002	Halliburton Energy Services, Inc. et al.		
BE	CA-2088697		02-20-1992	Henkel Kommanditgesellschaft Auf Aktien		

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CA	Kim Burrows et al., "New Low Viscosity Ester is Suitable for Drilling Fluids in Deepwater Applications," SPE/IADC 66553, presented at the SPE/EPA/DOE Exploration and Production Environmental Conference held in San Antonio, Texas, Feb. 26-28, 2001, (Pages 1-14)		
CB	Baroid Drilling Fluids PETROFREE Biodegradable Invert Emulsion Drilling Fluid (1993) & RM-63 Rheology Modified (1990) product brochures (10 pages)		
CC	L. Knox et al., "New Developments in Ester-based Mud Technology," AADE-02-DFWM-HO-41, presented at the AADE 2002 Technology Conference held in Houston, Texas, Apr. 2-3, 2002 (Pages 1-9)		
CD	L.. Fraser, "Field Application of the All-Oil Drilling Fluid Concept," IADC/SPE 19955, presented a the 1990 IADC/SPE Drilling Conference held in Houston, Texas, Feb. 27-Mar. 2, 1990 (Pages 363-370)		
CE	C. Cameron, "Drilling Fluid Design and Management for Extended Reach Drilling," IADC/SPE 72290, presented at the IADC/SPE Middle East Drilling Technology meeting held in Bahrain, Oct. 22-24, 2001 (Pages 1-7)		
CF	Daniel Eckhout et al., "Development Process and Field Applications of a New Ester-based Mud System for ERD Wells on Australia's Northwest Shelf," IADC/SPE 62791, presented at the 2000 IADC/SPE Asia Pacific Drilling Technology meeting held in Kuala Lumpur, Malaysia, Sept. 11-13, 2000 (Pages 1-14)		

Examiner Signature	Date Considered
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Substitute for form 1449/PTO				<i><b>Complete if Known</b></i>	
				Application Number	10/647,737-Conf. #2299
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				Art Unit	1712
				Examiner Name	C. R. Richard
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CG	Luigi F. Nicora et al., "High-Density Invert-Emulsion System with Very Low Solids Content to Drill ERD and HPHT Wells," SPE 65000, presented at the 2001 SPE International Symposium on Oilfield Chemistry held in Houston, Texas, Feb. 13-16, 2001(Pages 1-17)	
CH	M. Mas et al., "A New High-Temperature Oil-Based Drilling Fluid," SPE 53941, presented at the 1999 SPE Latin American and Caribbean Petroleum Engineering Conference held in Caracas, Venezuela, Apr. 21-23, 1999 (Pages 1-14)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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